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V	T	E	E	A	V	A	V	K	I	V	D	M	K	R	A	V	D	C	P
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E	N	I	K	K	E	I	C	I	N	K	M	L	N	H	E	N	V	V	K
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G	E	L	F	D	R	I	E	P	D	I	G	M	P	E	P	D	A	Q	R
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D	I	K	P	E	N	L	L	L	D	E	R	D	N	L	K	I	S	D	F
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G	L	A	T	V	F	R	Y	N	N	R	E	R	L	L	N	K	M	C	G
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E	F	K	R	H	F	L	K	I	K	G	K	L	I	D	I	V	S	S	Q
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K	V	W	L	P	A	T													
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V	A	P	E	L	L	K	R	K	E	P	H	A	E	P	V	D	V	W	S
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I	H	S	N	L	D	F	S	P	V	N	N	G	S	S	E	E	T	V	K
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F	S	S	S	Q	P	E	P	R	T	G	L	S	L	W	D	T	G	P	S
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L	V	N	S	Q	L	Q	G	T	P	G	F	S	Q	N	P	W	Q	R	L
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V	K	R	M	T	R	F	F	T	K	L	D	A	D	K	S	Y	Q	C	L
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P	V	T	*																
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FIG. 3

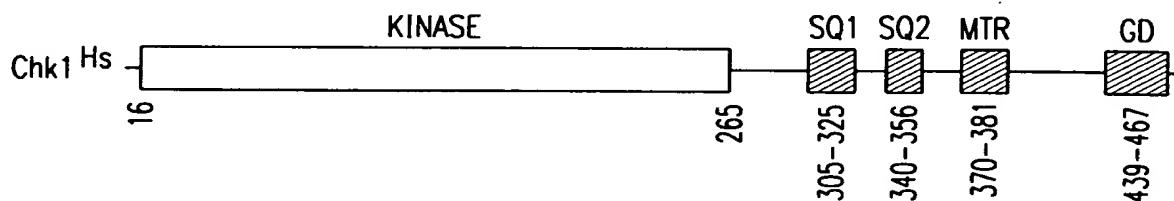


FIG. 4

Hs	1	-----MAVPFVED-----WLVQTLGEGAYGEVOLAVNRVTEAAVAVKIVDMK-----RAVDCP
Dm	1	MAATLTEAGTGPAAATREFVEG-----WLAQTLGEGAGAEGVKLLINRQTGGCCGMKAVDLK-----KNPDAA
Ce	1	MSAASSTTSTPAAAAAVAPQOPESIYRIVVQTLGEGAFGEVLLIVNTKNPETVAMKRINIAN-----KSKDFI
Sp	1	-----MAQKLDNFPIPIGCREIGTGAFASVRLCYDDNA-----KIAVKEVNVKHAATSCMNAGVWA
Hs	50	ENIKKEICYNKMLN-----NENVVVKFYCHRRGENNIQYLFLAYCSGGELFDRIEPIGMPEPDQRAFFHQLNAG
Dm	63	NSVRKEVCIOKMLQ-----DRNILRFTGKRSQGSVEYLFLAYAAGGELFDRIEFDVGMPQHEAQRYFTQLLSG
Ce	67	DNIRKEYLLOKRVSAVGNDNVIRMIGVRNDPQFYYLFLAYADGGELFDKIEPDQGMSPVFAQFYFKQLLIG
Sp	54	RRAESEIQLHKLCN-----GNKNIIHFYNTAENEQWRRWVLEFA-----GGDLFDKIEPDVGIDEEDVAQFYFAQLMEG
Hs	118	VVYLH-GIGITHRDIKPENLLLDEHDNLKISDFGLATVFRY-NRERLLNKICGTLPYVAPELLKRE-PR
Dm	131	LNYLH-QRGIAHRDIKPENLLLDEHDNVKISDFGMATMFRCK-GKERLLDKRCGTLPYVAPEVLQKAY--Q
Ce	138	DRFIH-DNDYVHRDIKPENLLLCTHVLKISDFGMATLYRK-GEERLL-DSCTGTTIPYAAPELCAGKK-YR
Sp	125	ISFNH-SKGYAHRDLKPEINLLDNCLKISDFG-ASLFSYK-GKSRLLNNSPGSPPYAAPEITQQYD--
Hs	186	AEPVDVWSCGIVLTAAMLAGELPWDQPSDSCQEYSDWKEKKTVLN-----PWKKIDSAPLALLHKILVENSARI
Dm	198	PCPADLWSCGIVLTAAMLAGELPWDQPSDNCTEFTNWRDNDHWQLQAPWSKIDTIAISLRLKILLATSPGTR
Ce	206	GPVDVWSSGIVLTAAMLAGELPWDRAASDASOSYMGWISNTSLDER-PWKKIDVRALCHLRKIVTDKTDKRA
Sp	191	GSKVDVWSCGIIIFALLLGTPWDSAIISMTGDLLYKKQCEPSPYHFWNIDSPGAYSIITGHLRSDFPKRY
Hs	255	TIPDIKKDRWYNKPKLKGAKRPRVTSGGVSESPGFSKHIQSNDSEPVNSASSEENVKYSSSQPEPRGEL
Dm	270	TLEKTLDEHKWCNMQFADNERSYDLDSDAALAEICSPKAKRQRLQSSAHLNSGLDDSIQRNYCSQPMPTMRT
Ce	277	TIEQIQADPWFYQH-----NGCQV-ETPNPGRPLKRAFNND-----ENITCTQQAECASAK
Sp	262	SVKHEVVQRPWLTSSTPERTKNGNCADEVALASRLMLKLRLDD-KPRLASRASQNDSGFSMTQPAFKKND
Hs	326	SLWDTSPSYIDKLV-----QGISFSOPTCDEHILLNSQLLGTPGSSQNPWQQLRVLK
Dm	341	DDDFNVRLGSGRIQ-----GGWRRPQTLAQEARLSSYFSQPAIIDDLLTQHNTQASQNTFQQLRVLK
Ce	335	RR-HLETPEKSSLAAER-----QNASFSOPTKTEDLLTQHIDMSQTES-NLLQRHVC
Sp	332	QKELDRVEVYGALSQPV-----QINRNIDVTEILEKDPDSLSCFCEMEGEI-----KRLAK
Hs	376	R-----MTRFFTK-LDDDKSYQCLKETCEKLGYQWKRSCMHCQVTISTADRRNNKLIFKVNLLE
Dm	405	R-----MTRFFVTRWDDTI-KRLVGTIERLGGYTCRCPDGGVTVSTVDRQKLRLVFKANTIE
Ce	374	R-----MTRFCVV-TDIRSTYQKVARASEHAGFCIRESDDYRLLVTMREVSMVVSLYTMDP
Sp	371	KAKNEYEICPPERLTRFYSR-----ASRETIDHLYDSLRLLAISVTMKYVRN-QTILYVNLD
Hs	433	MDDKIL-----VDFRLSKGDGLEFKRFLKIKGHLLD-LVSSQKVWLPAT----- 476
Dm	463	MDGKIL-----VDFRLSKGCGLLEFKRRIKIKNALEDIDVKGPTTWPPIAIATNSVP 513
Ce	431	DKPRVM-----VDFRSRSGDGQFKKMFNDVRMHEWICGTGSPILDMCQEIRR-- 479
Sp	440	KRKCLL-QGVIELTNGHMLELNFIKRNGDPLEWRKFKNVSSIGKPIVLTDVSNQ----- 496

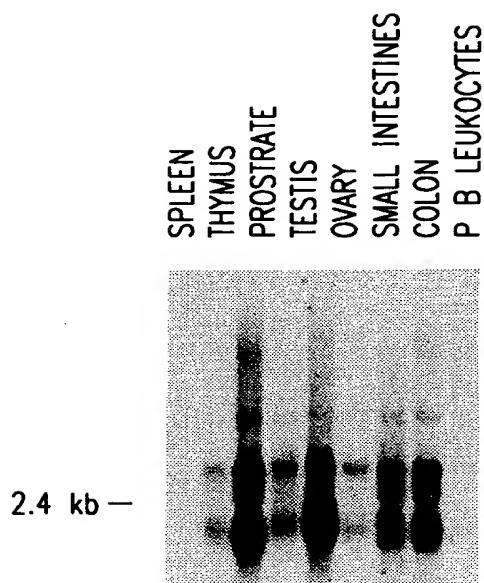


FIG. 5A

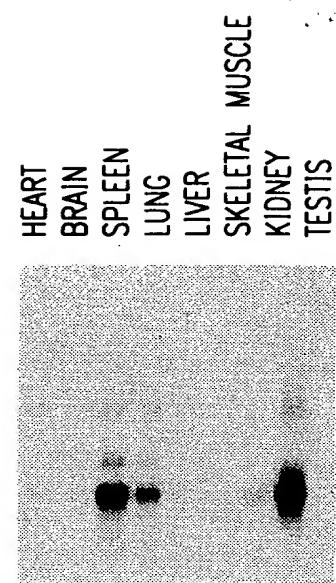


FIG. 5B

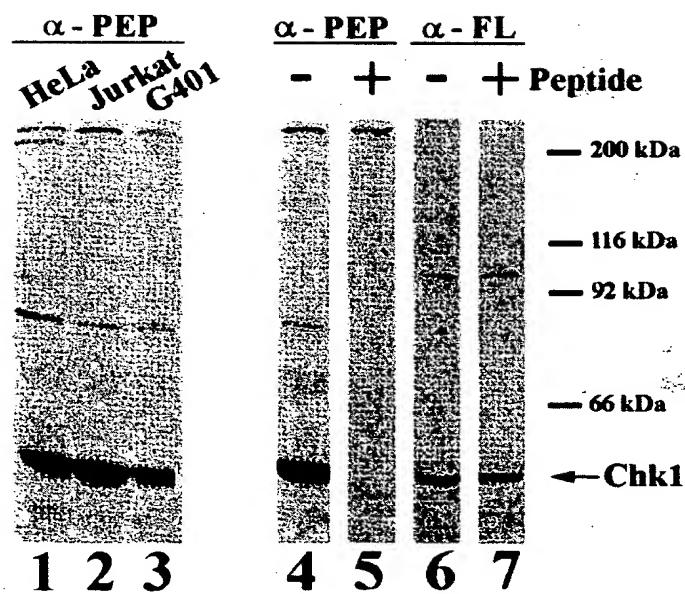


FIG. 6

4

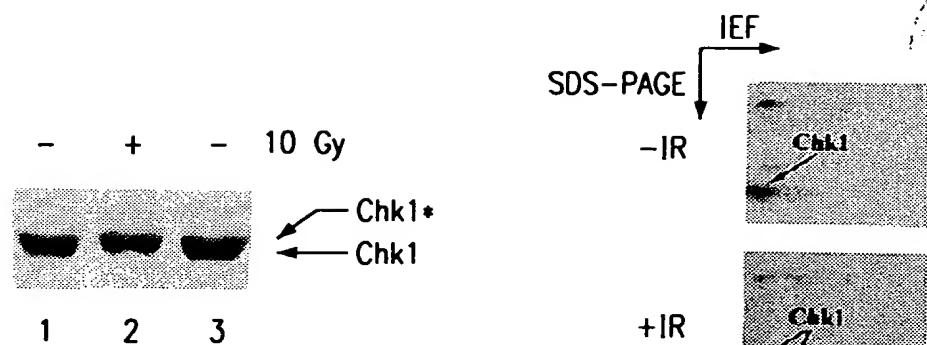


FIG. 7A

FIG. 7B

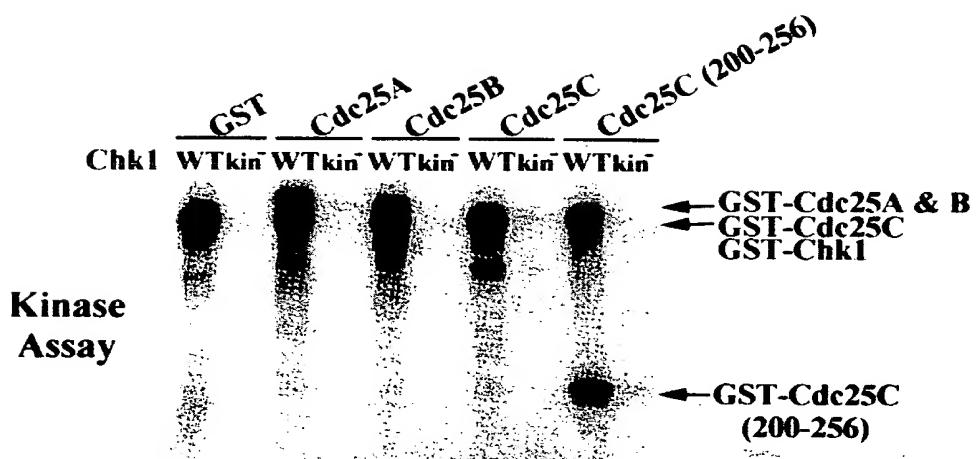


FIG. 8A

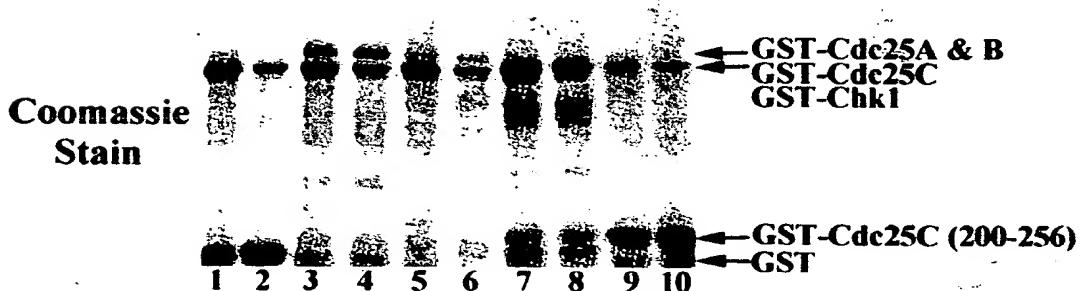


FIG. 8B

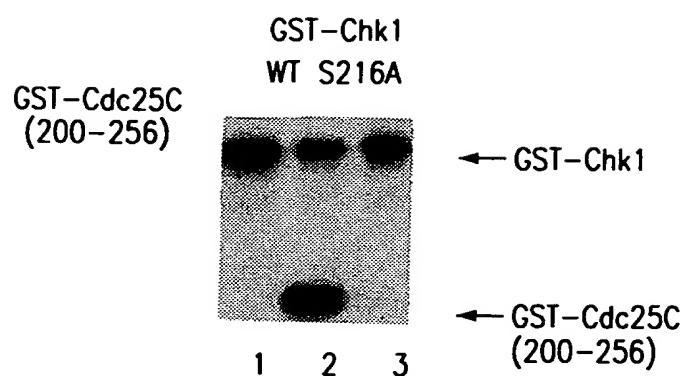


FIG. 9A

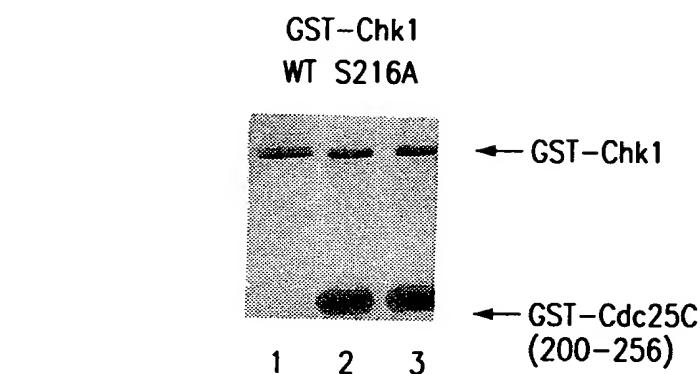


FIG. 9B

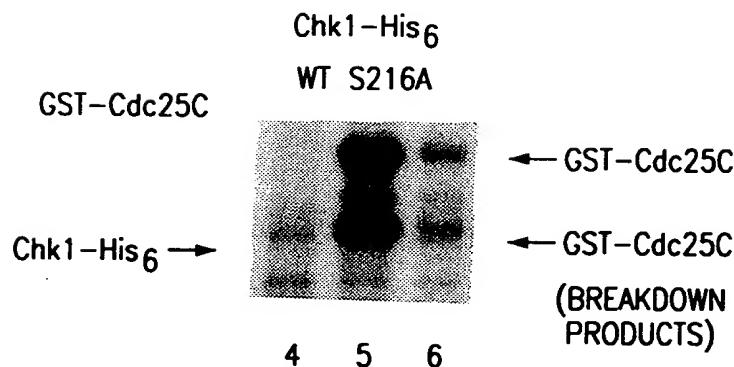


FIG. 9C

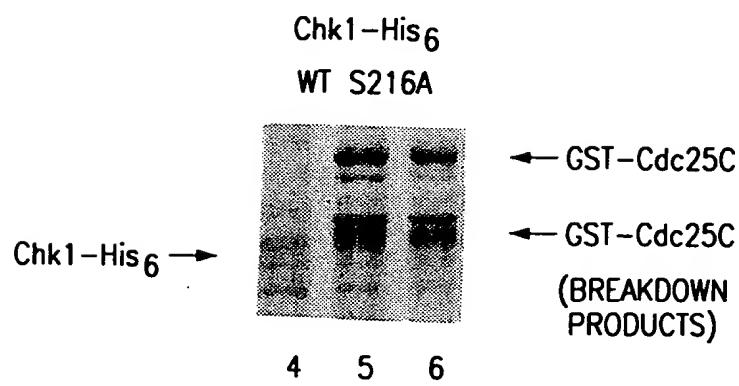


FIG. 9D

66

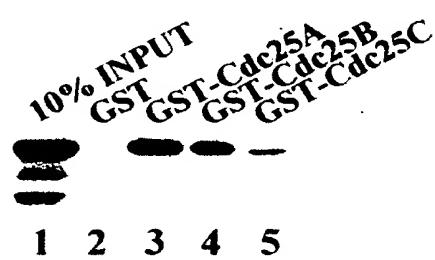


FIG. 10

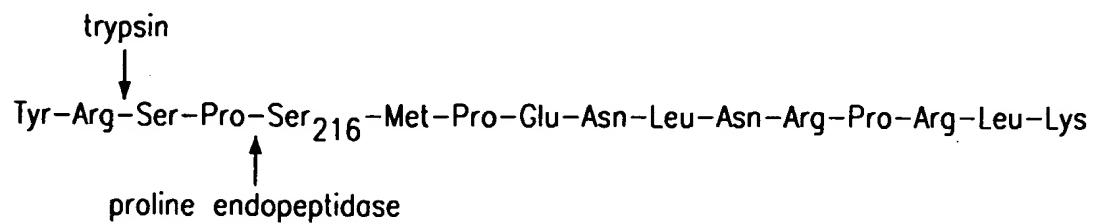


FIG. 11

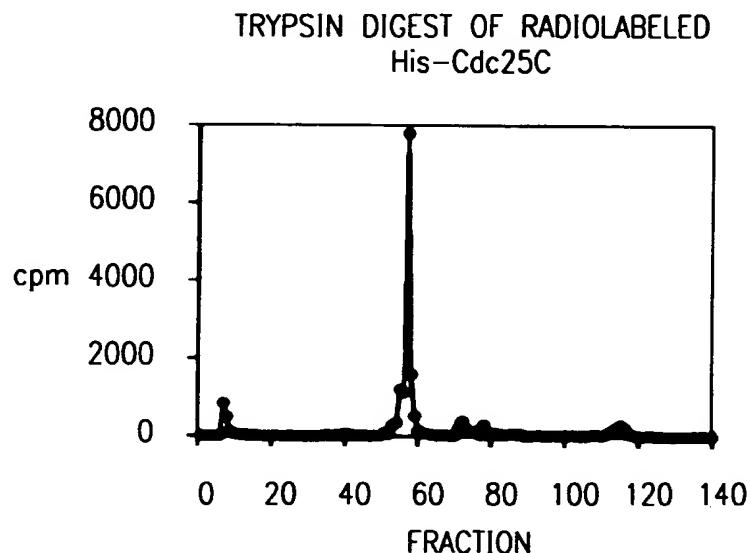


FIG. 12A

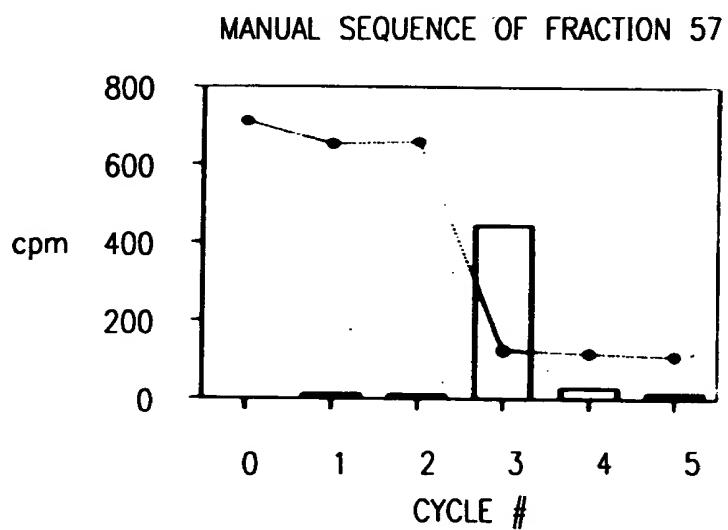


FIG. 12B